

**DATA READ TRANSDUCERS FOR DETERMINING LATERAL POSITION OF A  
TAPE HEAD WITH RESPECT TO LONGITUDINAL SERVO BANDS OF MAGNETIC  
TAPE**

**ABSTRACT**

5        In a magnetic tape system, during lateral repositioning of a tape head between servo  
bands, the servo head is not on a servo band and is unable to provide servo position information.  
Hence, information about the lateral position may be lost. A control system selectively senses  
data read transducers of the tape head; and, upon detecting a servo signal of a servo band from a  
sensed data read transducer, determines the lateral position of the tape head with respect to the  
10 detected servo band based upon the position of the data read transducer that sensed the detected  
servo signal.